

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-204813

(43)Date of publication of application : 04.08.1998

(51)Int.Cl.

E01C 11/02

E01D 19/06

(21)Application number : 09-012591

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(22)Date of filing : 27.01.1997

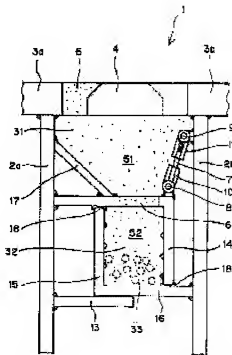
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(54) FINGER JOINTS FOR BRIDGE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain maintenance-free finger joints by interpositioning a sealing material in the gaps of comb teeth and by providing a pump mechanism for increasing or decreasing the amount of a seal material interlocked to the gaps of comb teeth in such a manner that the upper surface of the sealing material always becomes flush with the top surface of the face plate.

SOLUTION: A sealing material 51 is interpositioned in the gap 5 of the comb teeth 4 of a finger joint 1. And to make the upper surface of the sealing material 51 always flush with the upper surface of a face plate 3a, 3b of the finger joint 1, a pump mechanism is provided for increasing or decreasing the amount of sealing material interlocked with the gap 5 of comb 4. The pump mechanism is provided below the comb teeth 4, and sealing material storing rooms 31, 32 with the inner volume variable in response to the expansion and contraction of the bridge girder are provided. Thus, the gaps of comb teeth are not clogged with sand or small stone, inflow of rain water is prevented, and finger joints with excellent functions, structure and durability can be provided.



LEGAL STATUS

[Date of request for examination]

17.12.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]	
[Patent number]	3190845
[Date of registration]	18.05.2001
[Number of appeal against examiner's decision of rejection]	
[Date of requesting appeal against examiner's decision of rejection]	
[Date of extinction of right]	18.05.2004